

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20060113463".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 08:58
L2	4	"7105812".pn. or "6803568".pn. or "6918309".pn. or "20030196895".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L3	3	L2 and (Taylor or cone)	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L4	2	"6918309".pn. or "20030196895".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L5	1	L4 and (Taylor or cone)	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
S29	1	"20060113463".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 08:57
S30	10	"5872010".pn. or "5306412".pn. or "6610978".pn. or "6274867".pn. or "20020130044".pn. or "20030104449".pn. or "20040075050".pn. or "20040112518".pn. or "20040166504".pn. or "20040231986".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:16
S31	1	"6766817".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:30
S32	11	S30 or S31	US-PGPUB; USPAT	OR	ON	2007/06/18 16:30
S33	6	"20020130044".pn. or "20030104449".pn. or "20040075050".pn. or "20040112518".pn. or "20040166504".pn. or "20040231986".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:43
S34	5	S32 not S33	US-PGPUB; USPAT	OR	ON	2007/06/18 16:45
S35	0	S32 and (electro adj1 spray\$4) and (substrate with insulat\$4) and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT	OR	ON	2007/06/18 16:49
S36	0	S32 and (electro adj1 spray\$4) and (substrate with insulat\$4)	US-PGPUB; USPAT	OR	ON	2007/06/18 16:48
S37	0	S32 and (electro adj1 spray\$4)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:05
S38	8	S32 and (electrospray\$4)	US-PGPUB; USPAT	OR	ON	2007/06/18 16:51

## EAST Search History

S39	2	S32 and ((electro adj1 spray\$4) or electrospray) and (substrate with insulat\$4) and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT	OR	ON	2007/06/18 16:50
S40	6	S32 and (microstructure or microchannel or microconduit or microcapillary)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:13
S41	6	S32 and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT	OR	ON	2007/06/18 17:13
S42	11	S38 or S39 or S40 or S41	US-PGPUB; USPAT	OR	ON	2007/06/18 16:51
S43	7	S42 and inlet and outlet	US-PGPUB; USPAT	OR	ON	2007/06/18 17:09
S44	2	S42 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT	OR	ON	2007/06/18 17:14
S45	0	S44 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT	OR	ON	2007/06/18 17:10
S46	0	S44 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:06
S47	8	S32 and ((electro adj1 spray\$4) or electrospray or ESI)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:06
S48	0	S47 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:06
S49	46275	((electro adj1 spray\$4) or electrospray or ESI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:06
S50	2	S49 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:08
S51	2	S49 and ((direct\$2 adj1 mix\$4) with (Taylor adj1 cone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:07

## EAST Search History

S52	52	S49 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:09
S53	7	S42 and inlet and outlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:10
S54	24	S52 and inlet and outlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:10
S55	2	S54 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:10
S56	5	S54 and (mix\$4 with cone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:11
S57	3	S56 not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:11
S58	10	S52 and (microstructure or microchannel or microconduit or microcapillary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:13

## EAST Search History

S59	4	S52 and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:13
S60	11	S58 or S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:36
S61	1	"5873523".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:16
S62	2	"20050047969".pn. or "20040113068".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:52
S63	1	"20040075050".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:37
S64	1	"7098450".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:48
S65	1	"6803568".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:42
S66	1	"7105812".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:42
S67	0	S64 and (Taylor adj1 cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:49
S68	3	S62 or S63	US-PGPUB; USPAT	OR	ON	2007/06/18 17:48
S69	2	S68 and (Taylor adj1 cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:49
S70	6	"20050047969".pn. or "20040113068".pn. or "20040075050".pn. or "7098450". pn. or "6803568".pn. or "7105812". pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:53

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20060113463".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 10:19
L2	4	"7105812".pn. or "6803568".pn. or "6918309".pn. or "20030196895".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L3	3	L2 and (Taylor or cone)	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L4	2	"6918309".pn. or "20030196895".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L5	1	L4 and (Taylor or cone)	US-PGPUB; USPAT	OR	ON	2007/06/20 09:40
L6	2808	(250/285,288,428,435,438).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/20 10:26
L7	1553	(204/450-453).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/20 10:21
L8	6029	(422/100,102).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/20 10:21
L9	4468	(250/281,282,285,288,428,435,438).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/20 10:26
L10	11881	L7 or L8 or L9	US-PGPUB; USPAT	OR	ON	2007/06/20 10:26
L11	1666	L10 and (electrospray\$4)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:32
L12	318	L11 and (microstructure or microchannel or microconduit or microcapillary or microfluid)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:32
L13	92	L11 and (micro adj1 (structure or channel or conduit or capillary or fluid))	US-PGPUB; USPAT	OR	ON	2007/06/20 10:37
L14	360	L12 or L13	US-PGPUB; USPAT	OR	ON	2007/06/20 10:28
L15	39	L14 and (substrate with insulat\$4)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:33
L16	1	L15 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:30
L17	1	L16 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT	OR	ON	2007/06/20 10:38
L18	3	L15 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT	OR	ON	2007/06/20 10:38
L19	1	L15 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT	OR	ON	2007/06/20 10:35

## EAST Search History

L20	12566	electrospray\$4 and (mass adj1 spectromet\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:41
L21	980	L20 and (microstructure or microchannel or microconduit or microcapillary or microfluid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:36
L22	266	L20 and (micro adj1 (structure or channel or conduit or capillary or fluid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:33
L23	1097	L21 or L22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:33
L24	67	L23 and (substrate with insulat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:33
L25	5	L24 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:41
L26	2	L24 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:42
L27	459	(electrospray\$4 and (mass adj1 spectromet\$4)).clm.	US-PGPUB	OR	ON	2007/06/20 10:36

## EAST Search History

L28	31	L27 and ((microstructure or microchannel or microconduit or microcapillary or microfluid)).clm.	US-PGPUB	OR	ON	2007/06/20 10:37
L29	4	L27 and ((micro adj1 (structure or channel or conduit or capillary or fluid))).clm.	US-PGPUB	OR	ON	2007/06/20 10:37
L30	34	L28 or L29	US-PGPUB	OR	ON	2007/06/20 10:37
L31	1	L30 and ((mix\$4 with (Taylor adj1 cone))).clm.	US-PGPUB	OR	ON	2007/06/20 10:38
L32	1	L30 and ((sample adj1 solution) and (sheath adj1 (liquid or gas))).clm.	US-PGPUB	OR	ON	2007/06/20 10:39
L33	19	Rossier-joel-stephane.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:40
L34	0	Rossier-stephane-joel.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:40
L35	6	Rossier-joel-s.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:40
L36	25	L33 or L35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:41
L37	11	L36 and (electrospray\$4 and (mass adj1 spectromet\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:41

## EAST Search History

L38	4	L37 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:42
L39	1	L38 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/20 10:45
L40	2560	(250/288,435).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 10:45
L41	628	(204/451).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 10:48
L42	1553	(204/450-453).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/20 10:48
S29	1	"20060113463".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 08:57
S30	10	"5872010".pn. or "5306412".pn. or "6610978".pn. or "6274867".pn. or "20020130044".pn. or "20030104449".pn. or "20040075050".pn. or "20040112518".pn. or "20040166504".pn. or "20040231986".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:16
S31	1	"6766817".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:30
S32	11	S30 or S31	US-PGPUB; USPAT	OR	ON	2007/06/18 16:30
S33	6	"20020130044".pn. or "20030104449".pn. or "20040075050".pn. or "20040112518".pn. or "20040166504".pn. or "20040231986".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:43
S34	5	S32 not S33	US-PGPUB; USPAT	OR	ON	2007/06/18 16:45
S35	0	S32 and (electro adj1 spray\$4) and (substrate with insulat\$4) and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT	OR	ON	2007/06/18 16:49
S36	0	S32 and (electro adj1 spray\$4) and (substrate with insulat\$4)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:29



## EAST Search History

S37	0	S32 and (electro adj1 spray\$4)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:05
S38	8	S32 and (electrospray\$4)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:27
S39	2	S32 and ((electro adj1 spray\$4) or electrospray) and (substrate with insulat\$4) and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT	OR	ON	2007/06/18 16:50
S40	6	S32 and (microstructure or microchannel or microconduit or microcapillary)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:27
S41	6	S32 and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT	OR	ON	2007/06/18 17:13
S42	11	S38 or S39 or S40 or S41	US-PGPUB; USPAT	OR	ON	2007/06/18 16:51
S43	7	S42 and inlet and outlet	US-PGPUB; USPAT	OR	ON	2007/06/18 17:09
S44	2	S42 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT	OR	ON	2007/06/20 10:31
S45	0	S44 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT	OR	ON	2007/06/20 10:30
S46	0	S44 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:06
S47	8	S32 and ((electro adj1 spray\$4) or electrospray or ESI)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:06
S48	0	S47 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT	OR	ON	2007/06/20 10:29
S49	46275	((electro adj1 spray\$4) or electrospray or ESI)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:06
S50	2	S49 and ((direct\$2 adj2 mix\$4) with cone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:08

## EAST Search History

S51	2	S49 and ((direct\$2 adj1 mix\$4) with (Taylor adj1 cone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:07
S52	52	S49 and (sample adj1 solution) and (sheath adj1 (liquid or gas))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:09
S53	7	S42 and inlet and outlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:10
S54	24	S52 and inlet and outlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:10
S55	2	S54 and (mix\$4 with (Taylor adj1 cone))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:10
S56	5	S54 and (mix\$4 with cone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:11
S57	3	S56 not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:11

## EAST Search History

S58	10	S52 and (microstructure or microchannel or microconduit or microcapillary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:13
S59	4	S52 and (micro adj1 (structure or channel or conduit or capillary))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:13
S60	11	S58 or S59	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/18 17:36
S61	1	"5873523".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:16
S62	2	"20050047969".pn. or "20040113068".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:52
S63	1	"20040075050".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:37
S64	1	"7098450".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:48
S65	1	"6803568".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:42
S66	1	"7105812".pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:42
S67	0	S64 and (Taylor adj1 cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:49
S68	3	S62 or S63	US-PGPUB; USPAT	OR	ON	2007/06/18 17:48
S69	2	S68 and (Taylor adj1 cone)	US-PGPUB; USPAT	OR	ON	2007/06/18 17:49
S70	6	"20050047969".pn. or "20040113068".pn. or "20040075050".pn. or "7098450". pn. or "6803568".pn. or "7105812". pn.	US-PGPUB; USPAT	OR	ON	2007/06/18 17:53